

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 10/787,497  
Source: 1600-EFS  
Date Processed by STIC: 8-16-06

# ***ENTERED***



IFW16

## RAW SEQUENCE LISTING

DATE: 08/16/2006

PATENT APPLICATION: US/10/787,497

TIME: 11:05:36

Input Set : N:\efs\10787497\_efs\SEQUENCE\_LISTING.txt

Output Set: N:\CRF4\08162006\J787497.raw

3 <110> APPLICANT: Bals, Robert  
 4 Koczulla, Andreas R  
 5 Degenfeld-Schonburg, George Johannes  
 7 <120> TITLE OF INVENTION: MODULATING ANGIOGENESIS USING LL-37/HCAP-18  
 9 <130> FILE REFERENCE: 68004167-001001  
 11 <140> CURRENT APPLICATION NUMBER: 10/787497  
 C--> 12 <141> CURRENT FILING DATE: 2004-02-16  
 14 <150> PRIOR APPLICATION NUMBER: EP1358888  
 15 <151> PRIOR FILING DATE: 2003-02-27  
 17 <160> NUMBER OF SEQ ID NOS: 7  
 19 <170> SOFTWARE: PatentIn version 3.3  
 21 <210> SEQ ID NO: 1  
 22 <211> LENGTH: 37  
 23 <212> TYPE: PRT  
 24 <213> ORGANISM: Homo sapiens  
 26 <400> SEQUENCE: 1  
 28 Leu Leu Gly Asp Phe Phe Arg Lys Ser Lys Glu Lys Ile Gly Lys Glu  
 29 1 5 10 15  
 32 Phe Lys Arg Ile Val Gln Arg Ile Lys Asp Phe Leu Arg Asn Leu Val  
 33 20 25 30  
 36 Pro Arg Thr Glu Ser  
 37 35  
 40 <210> SEQ ID NO: 2  
 41 <211> LENGTH: 170  
 42 <212> TYPE: PRT  
 43 <213> ORGANISM: Homo sapiens  
 45 <300> PUBLICATION INFORMATION:  
 46 <308> DATABASE ACCESSION NO: P49913  
 47 <309> DATABASE ENTRY DATE: 2006-06-13  
 48 <313> RELEVANT RESIDUES: (1)..(170)  
 50 <400> SEQUENCE: 2  
 52 Met Lys Thr Gln Arg Asp Gly His Ser Leu Gly Arg Trp Ser Leu Val  
 53 1 5 10 15  
 56 Leu Leu Leu Leu Gly Leu Val Met Pro Leu Ala Ile Ile Ala Gln Val  
 57 20 25 30  
 60 Leu Ser Tyr Lys Glu Ala Val Leu Arg Ala Ile Asp Gly Ile Asn Gln  
 61 35 40 45  
 64 Arg Ser Ser Asp Ala Asn Leu Tyr Arg Leu Leu Asp Leu Asp Pro Arg  
 65 50 55 60  
 68 Pro Thr Met Asp Gly Asp Pro Asp Thr Pro Lys Pro Val Ser Phe Thr  
 69 65 70 75 80  
 72 Val Lys Glu Thr Val Cys Pro Arg Thr Thr Gln Gln Ser Pro Glu Asp  
 73 85 90 95

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76 Cys Asp Phe Lys Lys Asp Gly Leu Val Lys Arg Cys Met Gly Thr Val
77          100          105          110
80 Thr Leu Asn Gln Ala Arg Gly Ser Phe Asp Ile Ser Cys Asp Lys Asp
81          115          120          125
84 Asn Lys Arg Phe Ala Leu Leu Gly Asp Phe Phe Arg Lys Ser Lys Glu
85          130          135          140
88 Lys Ile Gly Lys Glu Phe Lys Arg Ile Val Gln Arg Ile Lys Asp Phe
89 145          150          155          160
92 Leu Arg Asn Leu Val Pro Arg Thr Glu Ser
93          165          170
96 <210> SEQ ID NO: 3
97 <211> LENGTH: 739
98 <212> TYPE: DNA
99 <213> ORGANISM: Homo sapiens
101 <300> PUBLICATION INFORMATION:
102 <308> DATABASE ACCESSION NO: NM_004345
103 <309> DATABASE ENTRY DATE: 2006-07-23
104 <313> RELEVANT RESIDUES: (1)..(739)
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111 gggaggcaga catggggacc atgaagaccc aaagggatgg ccactccctg gggcggtggt      180
113 cactggtgct cctgctgctg ggcttggtga tgctctggtc catcattgcc caggctcctca      240
115 gctacaagga agctgtgctt cgtgctatag atggcatcaa ccagcgggtcc tcggatgcta      300
117 acctctaccg cctcctggac ctggacccca ggcccacgat ggatggggac ccagacacgc      360
119 caaagcctgt gagcttcaca gtgaaggaga cagtgtgccc caggacgaca cagcagtcac      420
121 cagaggattg tgacttcaag aaggacgggc tggatgaagc gtgtatgggg acagtgacct      480
123 tcaaccaggc caggggctcc tttgacatca gttgtgataa ggataacaag agatttgccc      540
125 tgctgggtga tttcttccgg aaatctaaag agaagattgg caaagagttt aaaagaattg      600
127 tccagagaat caaggatttt ttgcggaatc ttgtaccag gacagagtcc tagtgtgtgc      660
129 cctaccctgg ctacaggctt tgggctctga gaaataaact atgagagcaa tttcaaaaaa      720
131 aaaaaaaaaa aaaaaaaaaa
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135 <211> LENGTH: 3324
136 <212> TYPE: DNA
137 <213> ORGANISM: Homo sapiens
139 <300> PUBLICATION INFORMATION:
140 <308> DATABASE ACCESSION NO: X96735
141 <309> DATABASE ENTRY DATE: 2004-09-09
142 <313> RELEVANT RESIDUES: (1)..(3324)
144 <400> SEQUENCE: 4
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149 aggggtatag atggagcaga gccttcgtct ggctgacggc tgggtccaga gagcatgtgg      180
151 tatggccttg aactgaaagg gcaacttgtc ccttgcaaga gtgagtctct aggttggggg      240
153 ggctactgtc ttcatctacc agttcttttt ttttttcat actgagtctc actctgttac      300
155 ccaggctgga gtgcagtggc atgatctcag ctaactgcaa cttctgcttc ccgggttcaa      360
157 tgggttcaag tgattctcat gcctcagctt gtagctggga ctacagggtg gagccatcat      420
159 gcgtggctaa ttttcatatt tttagtagag atgggtttca ccatgttggc caagcttgctc      480

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161 tcgaactcct tatctcaggt gatccgcccc ccttggcctc ccaaagtgtc gggattatag 540
163 gcgtgagcca ccgtgccctg cctcattcat caattcttaa tcgatgccta caggggtgcca 600
165 ggcaatgcct agagctggag atttagcact ccatcatact gactcctgag gagtagaagg 660
167 atgtagatag gcacctggct ctcttcctct ctggagggat ttaacgctct tgagcacccc 720
169 tggctatgac aatctccggt caggtctggg aggttgtcag agatgaagaa accacttcct 780
171 catcttgac acaaggaagg cctcactcac tgcccagcaa gtcctgtgaa gcaatagcca 840
173 ggggctaaag caaacccag cccacaccct ggcaggcagc cagggatggg tggatcagga 900
175 aggtcctgg ttgggctttt gcatcaggct caggtcgggc ataaaggagg ctctgtggg 960
177 ctgaggggag gcagacatgg gaccatgaag acccaaaggg atggccactc cctggggcgg 1020
179 tggctactgg tgctcctgct gctgggcctg gtgatgcctc tggccatcat tgcccaggtc 1080
181 ctgagctaca aggaagctgt gcttcgtgct atagatggca tcaaccagcg gtcctcggat 1140
183 gctaacctct accgcctcct ggacctggac cccaggcccc cgatgggtgag ctttggggga 1200
185 cattctgctc tgctctggct gggttggcc acgtgttgtt ccttctgctc ctgctgcact 1260
187 gcctgccagg agggcatctc cccctttaa tgtggtcccg tgttttccag ggaaccttct 1320
189 agagctcgtg tctcctccca gctcgagagc ttctgcctt ataattcctg ctgtggcaga 1380
191 gataccctca ccccgacccc acgcaggttt tgggacttct gcgagctcca ggcactagaa 1440
193 tggggtcatt ggctctgggc agtgacctcc tctgctttaa gtctcttctg taccacgtta 1500
195 cccacatag ggaagaactc aatccagact ttaggttcca gtgggcatgt cttgtccccc 1560
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205 cctccccatt tctcctctg actaggatgg ggaccagac acgccaagc ctgtgagctt 1860
207 cacagtgaag gagacagtgt gccccaggac gacacagcag tcaccagagg attgtgactt 1920
209 caagaaggac ggggtgaggc tgggggctgg ggggtgttgt ggggtgcctc caaggagctg 1980
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217 ctgggatgca ggggctgatg ggggcataga gtgtggacca tccaatgggt caattaacta 2220
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245 actgagccct tagctcaggg agtccacgtg tgagtgtgag tgtgtgtgag tgtgacacag 3060
247 aggtggcgag ggcagtgtt catccaggag gacacagggt aaggcagtag ggccaagaga 3120
249 tccaagatgg cattcccatt ctcagtggaa cccccagtg gaattaagga gctctactct 3180
251 gtgtgtgtgt gtgggggaat gctgtggagc tgttctgct catggggagg tgacattcaa 3240
253 gggagggggc aacgtggggt gtaaactcac agaagcatgt tcattccata ggttttcggc 3300
255 aacttgtgag cgtaccogag aaaa 3324
258 <210> SEQ ID NO: 5

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259 <211> LENGTH: 23
260 <212> TYPE: DNA
261 <213> ORGANISM: Artificial
263 <220> FEATURE:
264 <223> OTHER INFORMATION: Synthetic oligonucleotide
266 <400> SEQUENCE: 5
267 gaccttggat tcttgctcta gtc                                     23
270 <210> SEQ ID NO: 6
271 <211> LENGTH: 21
272 <212> TYPE: DNA
273 <213> ORGANISM: Artificial
275 <220> FEATURE:
276 <223> OTHER INFORMATION: Synthetic oligonucleotide
278 <400> SEQUENCE: 6
279 ccattcctcac aatgcctgta a                                     21
282 <210> SEQ ID NO: 7
283 <211> LENGTH: 6
284 <212> TYPE: PRT
285 <213> ORGANISM: Artificial
287 <220> FEATURE:
288 <223> OTHER INFORMATION: synthetic peptide
291 <220> FEATURE:
W--> 292 <221> NAME/KEY: D-Methionine
293 <222> LOCATION: (6)..(6)
294 <223> OTHER INFORMATION: D-form of the amino acid methionine
296 <400> SEQUENCE: 7
298 Trp Lys Tyr Met Val Met
299 1                               5

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RAW SEQUENCE LISTING ERROR SUMMARY      DATE: 08/16/2006  
PATENT APPLICATION:    US/10/787,497      TIME: 11:05:37

Input Set : N:\efs\10787497\_efs\SEQUENCE\_LISTING.txt  
Output Set: N:\CRF4\08162006\J787497.raw

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,  
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:5,6,7

VERIFICATION SUMMARY

DATE: 08/16/2006

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Input Set : N:\efs\10787497\_efs\SEQUENCE\_LISTING.txt

Output Set: N:\CRF4\08162006\J787497.raw

L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:292 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:7